

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:
What is claimed is:

1. (Withdrawn) Genes for diagnosing colorectal cancer, the gene sequences searching comprising the steps of:

- (1) deriving epithelium cells from normal intestines, polypus of intestines and colorectal cancer tissue;
- (2) collecting genes with highly differential gene expression by Suppression Subtractive Hybridization (SSH), and building library ;
- (3) deriving colonies with relatively high signal intensities from cancer tissue;
- (4) collecting more clinically cancer tissues by Northern Hybridization, real-time Polymerase Chain Reaction (PCR) combined with analysis of bioinformation to affirm variation between differential gene expression; and
- (5) selecting the most suitable genes from said library.

2. (Currently amended) Genes for diagnosing colorectal cancer, the gene sequences are selected from the group consisting of:

- ~~(1) A gene sequence as set forth in HS ID: Hs.107213
—and Acc No.: BC027178;~~
- ~~(2) A gene sequence as set forth in HS ID: Hs.123107
and Acc No.: NM_002257;~~
- ~~(3) A gene sequence as set forth in HS ID: Hs.1369 and
Acc No.: NM_000574;~~
- ~~(4) A gene sequence as set forth in HS ID: Hs.151254
and Acc No.: NM_005046;~~
- ~~(5) A a gene [[gene]] sequence as set forth in Sig. ID
No. 5, HS ID: Hs.1526 and Acc No.: NM_001681;~~
- ~~(6) A gene sequence as set forth in HS ID: Hs.184270
and Acc No.: NM_006135;~~
- ~~(7) A gene sequence as set forth in HS ID: Hs.2043 and
Acc No.: NM_001151;~~
- ~~(8) A gene sequence as set forth in HS ID: Hs.267871
and Acc No.: NM_005177;~~
- ~~(9) A gene sequence as set forth in HS ID: Hs.4935 and
Acc No.: D79998;~~
- ~~(10) A gene sequence as set forth in HS ID: Hs.5509~~

and Acc No.: NM_006495;

~~(11) A gene sequence as set forth in HS ID: Hs.5662~~

and Acc No.: NM_006098;

~~(12) A gene sequence as set forth in HS ID: Hs.75990~~

and Acc No.: NM_005143;

~~(13) A gene sequence as set forth in HS ID: Hs.83384~~

and Acc No.: NM_006272;

~~(14) A gene sequence as set forth in HS ID:~~

~~Hs.10029 and Acc No.: NM_001814;~~

~~(15) A gene sequence as set forth in HS ID: Hs.103982~~

and Acc No.: NM_005409;

~~(16) A gene sequence as set forth in HS ID: Hs.12314~~

and Acc No.: AL049397;

~~(17) A gene sequence as set forth in HS ID: Hs.150557~~

and Acc No.: NM_001206;

~~(18) A gene sequence as set forth in HS ID: Hs.169266~~

and Acc No.: NM_000909;

~~(19) A gene sequence as set forth in HS ID: Hs.1827 and~~

~~Acc No.: NM_002507;~~

- ~~(20) A gene sequence as set forth in HS ID: Hs.1869
and Acc No.: NM_002633;~~
- ~~(21) A gene sequence as set forth in HS ID: Hs.194148
and Acc No.: NM_005433;~~
- ~~(22) A gene sequence as set forth in HS ID: Hs.2352
and Acc No.: X74210;~~
- ~~(23) A gene sequence as set forth in HS ID: Hs.246885
and Acc No.: NM_017958;~~
- ~~(24) A gene sequence as set forth in HS ID:
Hs.29665 and Acc No.: NM_014944;~~
- ~~(25) A gene sequence as set forth in HS ID: Hs.3235 and
Acc No.: NM_002272;~~
- ~~(26) A gene sequence as set forth in HS ID: Hs.55209
and Acc No.: AF327354;~~
- ~~(27) A gene sequence as set forth in HS ID: Hs.585 and
Acc No.: NM_000384;~~
- ~~(28) A gene sequence as set forth in HS ID: Hs.62187
and Acc No.: AF022913;~~
- ~~(29) A gene sequence as set forth in HS ID: Hs.63290~~

and Acc No.: NM_012260;

~~(30) A gene sequence as set forth in HS ID: Hs.699 and~~

~~Acc No.: NM_000942;~~

~~(31) A gene sequence as set forth in HS ID: Hs.74111~~

~~and Acc No.: NM_007367;~~

~~(32) A gene sequence as set forth in HS ID: Hs.75103~~

~~and Acc No.: NM_003406;~~

~~(33) A gene sequence as set forth in HS ID: Hs.75117~~

~~and Acc No.: NM_004515;~~

~~(34) A gene sequence as set forth in HS ID: Hs.75236~~

~~and Acc No.: NM_021952;~~

~~(35) A gene sequence as set forth in HS ID: Hs.75258~~

~~and Acc No.: NM_004893;~~

~~(36) A gene sequence as set forth in HS ID: Hs.75498~~

~~and Acc No.: NM_004591;~~

~~(37) A gene sequence as set forth in HS ID: Hs.76913~~

~~and Acc No.: NM_002790;~~

~~(38) A gene sequence as set forth in HS ID: Hs.79889~~

~~and Acc No.: NM_012329;~~

- ~~(39) A gene sequence as set forth in HS ID: Hs.82173 and Acc No.: NM_005655;~~
- ~~(40) A gene sequence as set forth in HS ID: Hs.84072 and Acc No.: NM_004616;~~
- ~~(41) A gene sequence as set forth in HS ID: Hs.85146 and Acc No.: NM_005239;~~
- ~~(42) A gene sequence as set forth in HS ID: Hs.85844 and Acc No.: NM_002529;~~
- ~~(43) A gene sequence as set forth in HS ID: Hs.88219 and Acc No.: NM_003454;~~
- ~~(44) A gene sequence as set forth in HS ID: Hs.88219 and Acc No.: NM_006350;~~
- ~~(45) A gene sequence as set forth in HS ID: Hs.169319 and Acc No.: NM_003419;~~
- ~~(46) A gene sequence as set forth in HS ID: Hs.72805 and Acc No.: NM_030921;~~
- ~~(47) A gene sequence as set forth in HS ID: Hs.108301 and Acc No.: NM_003297;~~
- ~~(48) A gene sequence as set forth in HS ID:~~

Hs.177926and Acc No.: NM_030941;

~~(49) A gene sequence as set forth in HS ID:~~

Hs.194746and Acc No.: NM_018896;

~~(50) A gene sequence as set forth in HS ID:~~

Hs.209061and Acc No.: NM_003831;

~~(51) A gene sequence as set forth in HS ID: Hs.25087~~

and Acc No.: NM_006070;

~~(52) A gene sequence as set forth in HS ID: Hs.3017~~

and Acc No.: NM_003284;

~~(53) A gene sequence as set forth in HS ID: Hs.283664~~

and Acc No.: NM_032466;

~~(54) A gene sequence as set forth in HS ID: Hs.283664~~

and Acc No.: NM_032467;

~~(55) A gene sequence as set forth in HS ID:~~

Hs.171992and Acc No.: NM_002843;

~~(56) A gene sequence as set forth in HS ID: Hs.155172~~

and Acc No.: NM_003664;

~~(57) A gene sequence as set forth in HS ID:~~

Hs.183418and Acc No.: M37712;

- ~~(58) A gene sequence as set forth in HS ID: Hs.244473
and Acc No.: NM_031900;~~
- ~~(59) A gene sequence as set forth in HS ID: Hs.12835
and Acc No.: NM_004842;~~
- ~~(60) A gene sequence as set forth in HS ID: Hs.1650
and Acc No.: NM_000111;~~
- ~~(61) A gene sequence as set forth in HS ID: Hs.29981
and Acc No.: NM_000112;~~
- ~~(62) A gene sequence as set forth in HS ID: Hs.2246
and Acc No.: NM_001308;~~
- ~~(63) A gene sequence as set forth in HS ID: Hs.267871
and Acc No.: NM_005177;~~
- ~~(64) A gene sequence as set forth in HS ID: Hs.75445
and Acc No.: NM_004684;~~
- ~~(65) A gene sequence as set forth in HS ID: Hs.39957
and Acc No.: NM_016445;~~
- ~~(66) A gene sequence as set forth in HS ID: Hs.65029
and Acc No.: NM_002048;~~
- ~~(67) A gene sequence as set forth in HS ID:~~

~~Hs.239926 and Acc No.: NM_006745;~~

~~(68) A gene sequence as set forth in HS ID: Hs.59271
and Acc No.: NM_006758;~~

~~(69) A gene sequence as set forth in HS ID: Hs.8867
and Acc No.: NM_001554;~~

~~(70) A gene sequence as set forth in HS ID: Hs.50123
and Acc No.: NM_003452; and~~

~~(71) A gene sequence as set forth in HS ID: Hs.82071
and Acc No.: NM_006079.~~

3. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a testing reagent for detecting colorectal cancer.

4. (Currently amended) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are present on [[to]] a testing biochip for detecting colorectal cancer.

5. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a medicine for

detecting colorectal cancer.

6. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein testing reagent for detecting colorectal cancer.
7. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a protein for curing medicine of colorectal cancer.
8. (Withdrawn) The genes for diagnosing colorectal cancer according to claim 2, wherein said gene sequences are to a vaccine for detecting colorectal cancer.
9. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.107213 and Acc No.: BC027178.
10. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.123107 and Acc No.: NM_002257.

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as set forth in HS ID:Hs.3017and Acc No.:NM_003284.

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as set forth in HS ID Hs.283664:and Acc No.: NM_032466.

62. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.283664 and Acc No.:NM_032467.

63. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.171992 and Acc No:
NM_002843.

64. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.155172 and Acc No: NM_003664.

65. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence

as set forth in HS ID: Hs.183418 and Acc No: M37712.

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as set forth in HS ID: Hs.244473 and Acc No: NM_031900.

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79. (Withdrawn) Genes for diagnosing colorectal cancer, a gene sequence as set forth in HS ID: Hs.82071 and Acc No.: NM_006079.